Author Index

ABO, T. *see* KAMEYAMA, H.
ABRAHAMSOHN, I.D.A. *see* DA SILVA, A.P.G.
ALBINA, J.E. *see* REICHNER, J.S.
ALEXANDER, W.S. *see* BULLEN, D.V.R.
ANDERSEN, Peter *see* LEAL, I.S.
ANDERTON, S. M. Peptide-based immunotherapy of autoimmunity: a path of puzzles, paradoxes and possibilities, 367
APPELBERG, R. *see* LEAL, I.S.
ARAI, S. *see* Kida, Y.
ARNOLD, L.W. *see* SCHULTZ, M.
ASANO, M. *see* NAKAE, S.
ASHMAN, R.B. *see* ELAHI, S.
ASKENASE, P.W. *see* GEBA, G.P.
ATO, M. *see* WATANO, K.

BANCROFT, G.J. *see* ZINYAMA, R.B.
BANNAI, M. *see* KAMEYAMA, H.
BARDENSTEIN, D.S., CHEYER, C.J., LEE, C., COCUZZI, E., MIZUNO, M., OKADA, N. & MEDOF, M. Blockage of complement regulators in conjunctiva and within the eye leads to massive inflammation and iritis, 423
BERTONI, G. *see* CARRASCO, C.P.
BESRA, G.S. *see* MOODY, D.B.
BI, B., LITTLEWOOD, N.K. & CRISPE, I. N. Cleavage of E2F-1-regulating proteins and activation of E2F-1 during CD95-induced death of thymocytes, 37
BOST, K.L. *see* PEACOCK, J.W.
BRILL, A., FRANITZA, S., LIDER, O. & HERSHKOVIZ, R. Regulation of T-cell interaction with fibronectin by transforming growth factor-β is associated with altered Pyk2 phosphorylation, 149
BRUTKIEWICZ, R.R. *see* SPENCE, P.M.
BULLEN, D.V.R., DARWICHE, R., METCALF, D., HANDMAN, E. & ALEXANDER, W. S. Neutralization of interferon-γ in neonatal SOCS1$^{-/-}$ mice prevents fatty degeneration of the liver but not subsequent fatal inflammatory disease, 92

CARABANA, J. *see* SLECKMAN, B.P.
CARRASCO, C.P., RIGDEN, R.C., SCHAFFNER, R., GERBER, H., NEUHAUS, V., INUMARU, S., TAKAMATSU, H., BERTONI, G., MCCULLOUGH, K.C. & SUMMERFIELD, A. Porcine dendritic cells generated *in vitro*: morphological, phenotypic, and functional properties, 175
CERUNDOLO, V. *see* SMITH, C.
CHAZONO, H. *see* RUAN, Y.
CHEYER, C.J. *see* BARDENSTEIN, D.S.
CHOFFLON, M. *see* FELLAY, B.
CLANCY, R. *see* ELAHI, S.
CLARKE, S.H. *see* SCHULTZ, M.
COCUZZI, E. *see* BARDENSTEIN, D.S.
COLSTON, M.J. *see* RAGNO, S.
CRISPE, I.N. *see* BI, B.

DA SILVA, A.P.G. & ABRAHAMSOHN, I. D. A. Interleukin-12 stimulation of lymphoproliferative responses in *Trypanosoma cruzi* infection, 349
DARWICHE, R. *see* BULLEN, D.V.R.
DAYAN, C.M. *see* PEAKMAN, M.
DECICCO, K.L., YOUNGDAHL, J.D. & ROSS, A. C. All-*trans*-retinoic acid and polyriboinosinic. polyribocytidylic acid in combination potentiate specific antibody production and cell-mediated immunity, 341
DENBURG, A. *see* SAITO, H.
DENBURG, J.A. *see* SAITO, H.
DIERICH, M.P. *see* GRUBER, A.
DING, L. & SHEVACH, E. M. Inhibition of the function of the FcγRIIB by a monoclonal antibody to thymic shared antigen-1, a Ly-6 family antigen, 28

EIKO, I. *see* RUAN, Y.
ELAHI, S., PANG, G., ASHMAN, R.B. & CLANCY, R. Nitric oxide-enhanced resistance to oral candidiasis, 447
ELLIS, R. *see* SAITO, H.
EMANCIPATOR, S.N. *see* LIN, F.
ENDERS, P.J. *see* EVANS, P.S.
ENDO, S. *see* RUAN, Y.
ENTZIAN, P. *see* SEITZER, U.
ERNST, J.F. *see* GRUBER, A.
EVANS, P.S., ENDERS, P.J., YIN, C., RUCKWARDT, T.J., MALKOVSKY, M. & PAUZA, D.C. *In vitro* stimulation with a non-peptidic alkylphosphate expands cells expressing Vγ2-Jγ1.2/Vδ2 T-cell receptors, 19

FAYEN, J. D. Multiple cytokines sharing the common receptor γ chain can induce CD154/CD40 ligand expression by human CD4$^+$ T lymphocytes via a cyclosporin A-resistant pathway, 299
FELLAY, B., CHOFFLON, M., JUILLARD, C., PAUNIER, A.-M., LANDIS, T., ROTH, S. & GOUGEON, M.-L. Beneficial effect of co-polymer 1 on cytokine production by CD4 T cells in multiple sclerosis, 383
FITZPATRICK, P.A. *see* REICHNER, J.S.
FLAD, H.-D. *see* SEITZER, U.
FRANITZA, S. *see* BRILL, A.
FREITAG, K. *see* HÖHN, H.
FUJII, S. *see* WATANO, K.
FUKUOKA, Y. *see* LIN, F.

GAMBERALE, R. *see* VERMEULEN, M.
GEBA, G.P., PTAK, W. & ASKENASE, P.W. Topical tacrolimus and cyclosporin A differentially inhibit early and late effector phases of cutaneous delayed-type and immunoglobulin E hypersensitivity, 235
GEFFNER, J.R. *see* VERMEULEN, M.
GERBER, H. *see* CARRASCO, C.P.
GERDES, J. *see* SEITZER, U.
GHOSH, S., WALKER, J. & JACKSON, D.C. Identification of canine helper T-cell epitopes from the fusion protein of canine distemper virus, 58
GIBBONS, D. *see* HAYDAY, A.
GIORDANO, M. *see* VERMEULEN, M.
GLEESON, P.A. *see* SCARFF, K.L.
GOUGEON, M.-L. *see* FELLAY, B.
GRAFTON, G. & THWAITE, L. Calcium channels in lymphocytes, 119
GRUBER, A., LELL, C.P., SPETH, C., STOIBER, H., LASS-FLÖRL, C., SONNEBORN, A., ERNST, J.F., DIERICH, M.P. & WÖRZNER, R. Human immunodeficiency virus type 1 Tat binds to *Candida albicans*, inducing hyphae but augmenting phagocytosis *in vitro*, 455

HALL, S.R. & RHODES, J. Schiff base-mediated co-stimulation primes the T-cell-receptor-dependent calcium signalling pathway in CD4 T cells, 50
HALLIDAY, K.E. *see* ZAK-PRELICK, M.
HANDMAN, E. *see* BULLEN, D.V.R.
HARADA, M., YAMADA, H., TATSUGAMI, K. & NOMOTO, K. Evidence of the extrathymic development of tyrosinase-related protein-2-recognizing CD8$^+$ T cells with low avidity, 67
HARRIS, C.L., VIGAR, M.A., REY NORES, J.E., HOREJSI, V.,

LABETA, M.O. & MORGAN, B.P. The lipopolysaccharide co-receptor CD14 is present and functional in seminal plasma and expressed on spermatozoa, 317
HARRIS, C.L. *see* LIN, F.
HARRIS, C.L. *see* MIWA, T.
HATAKEYAMA, K. *see* KAMEYAMA, H.
HAYDAY, A. & GIBBONS, D. Regulated T-cell development: a victim of multiple conspiracies, 8
HEISE, D. *see* PONTE-SUCRE, A.
HERRMANN, T. *see* STRAUBE, F.
HERSHKOVIZ, R. *see* BRILL, A.
HIMENO, K. *see* NAKANO, Y.
HIRATA, M. *see* SO, T.
HIROSE, Y., KIYOI, H., ITOH, K., KATO, K., SAITO, H. & NAOE, T. B-cell precursors differentiated from cord blood $CD34^+$ are more immature thatn those derived from granulocyte colony-stimulating factor-mobilized peripheral blood $CD34^+$ cells, 410
HISAEDA, H. *see* NAKANO, Y.
HITOMI, Y. *see* OIKAWA, T.
HOBBS, J.A. *see* SPENCE, P.M.
HÖHN, H. *see* SEITZER, U.
HÖHN, H., KORTSIK, C., NILGES, K., NECKER, A., FREITAG, K., TULLY, G., NEUKIRCH, C. & MAEURER, M.J. Human leucocyte antigen-A2 restricted and *Mycobacterium tuberculosis* 19-kDa antigen-specific $CD8^+$ T-cell responses are oligoclonal and exhibit a T-cell cytotoxic type 2 response cytokine-secretion pattern, 278
HORAI, R. *see* NAKAE, S.
HOREJSI, V. *see* HARRIS, C.L.
HOWELL, S. *see* RAGNO, S.
HOWIE, K. *see* SAITO, H.

IMADA, T. *see* YOSHIKAWA, T.
IMOTO, T. *see* SO, T.
INMAN, M.D. *see* SAITO, H.
INUMARU, S. *see* CARRASCO, C.P.
ISHIKAWA, H. *see* NAKANO, Y.
ISHIMORI, N. *see* WATANO, K.
ITO, H.-O. *see* SO, T.
ITOH, K. *see* HIROSE, Y.
IWABUCHI, K. *see* WATANO, K.
IWABUCHI, K. *see* YANAGAWA, Y.
IWAKURA, Y. *see* NAKAE, S.

JACKSON, D.C. *see* GHOSH, S.
JENNER, P.J. *see* RAGNO, S.
JESAITIS, A.J. *see* QUINN, M.T.
JUDD, L.M. *see* SCARFF, K.L.
JUILLARD, C. *see* FELLAY, B.
JUTILA, K.L. *see* QUINN, M.T.
JUTILA, M.A. *see* QUINN, M.T.

KAMEYAMA, H., KAWAMURA, T., NAITO, T., BANNAI, M., SHIMAMURA, K., HATAKEYAMA, K. & ABO, T. Size of the population of $CD4^+$ natural killer T cells in the liver is maintained without supply by the thymus during adult life, 135
KAPP, J.A. *see* XU, Y.
KATO, K. *see* HIROSE, Y.
KAWAMURA, T. *see* KAMEYAMA, H.
KAYSER, K. *see* SEITZER, U.
KIDA, Y., KUWANO, K., ZHANG, Y. & ARAI, S. *Acholeplasma laidlawii* up-regulates granulysin gene expression via transcription factor activator protein-1 in a human monocytic cell line, THP-1, 324
KITABATAKE, A. *see* WATANO, K.
KIYOI, H. *see* HIROSE, Y.
KLUGE, B. *see* VAN DEN BERG, L.
KOHNO, T. *see* RUAN, Y.
KONDOH, N. *see* OIKAWA, T.
KORTSIK, C. *see* HÖHN, H.
KRANGEL, M.S. *see* SLECKMAN, B.P.
KURK, S.L. *see* QUINN, M.T.
KUWANO, K. *see* KIDA, Y.

LABETA, M.O. *see* HARRIS, C.L.
LANARI, C. *see* VERMEULEN, M.
LANDIS, T. *see* FELLAY, B.
LARCHÉ, M. Inhibition of human T-cell responses by allergen peptides, 377
LASS-FLÖRL, C. *see* GRUBER, A.
LAURIE, K.L. *see* SCARFF, K.L.
LEAL, I.S., SMEDEGÅRD, B., ANDERSEN, P. & APPELBERG, R. Failure to induce enhanced protection against tuberculosis by increasing T-cell-dependent interferon-γ generation, 157
LEE, C. *see* BARDENSTEIN, D.S.
LELL, C.P. *see* GRUBER, A.
LESLIE, R.G.Q. *see* NEILSEN, C.H.
LIDER, O. *see* BRILL, A.
LIN, F., FUKUOKA, Y., SPICER, A., OHTA, R., OKADA, N., HARRIS, C.L., EMANCIPATOR, S.N. & MEDOF, M. E. Tissue distribution of products of the mouse decay-accelerating factor (DAF) genes. Exploitation of a *Daf1* knock-out mouse and site-specific monoclonal antibodies, 215
LITTLEWOOD, N.K. *see* BI, B.

MAEKAWA, Y. *see* NAKANO, Y.
MAEURER, M.J. *see* HÖHN, H.
MAEURER, M.J. *see* SEITZER, U.
MALKOVSKY, M. *see* EVANS, P.S.
MALORNI, W. *see* VIORA, M.
MARQUAT, H.V. *see* NEILSEN, C.H.
MASELLA, R. *see* VIORA, M.
MATSUOKA, T. *see* RUAN, Y.
MATSUZAKI, Z. *see* RUAN, Y.
MCCULLOUGH, K.C. *see* CARRASCO, C.P.
MCKENZIE, R.C. *see* ZAK-PRELICK, M.
MEDOF, M. *see* BARDENSTEIN, D.S.
MEDOF, M.E. *see* LIN, F.
METCALF, D. *see* BULLEN, D.V.R.
MITSUHASHI, S. *see* WATANO, K.
MIWA, T., SUN, X., OHTA, R., OKADA, N., HARRIS, C.L., MORGAN, B.P. & SONG, W.-C. Characterization of glycosylphosphatidylinositol-anchored decay accelerating factor (GPI-DAF) and transmembrane DAF gene expression in wild-type and GPI-DAF gene knockout mice using polyclonal and monoclonal antibodies with dual or single specificity, 207
MIZUNO, M. *see* BARDENSTEIN, D.S.
MOLINOLO, A. *see* VERMEULEN, M.
MOLL, H. *see* PONTE-SUCRE, A.
MOODY, D.B. & BESRA, G.S. Glycolipid targets of CD1-mediated T-cell responses, 243
MORGAN, B.P. *see* HARRIS, C.L.
MORGAN, B.. *see* MIWA, T.
MYHR, K.-M. *see* VAN DEN BERG, L.

NAITO, K. *see* YOSHIKAWA, T.
NAITO, T. *see* KAMEYAMA, H.
NAKAE, S., ASANO, M., HORAI, R. & IWAKURA, Y. Interleukin-1β, but not IL-1α, is required for T-cell-dependent antibody production, 402
NAKAKUBO, H. *see* YOSHIKAWA, T.
NAKAMURA, N. *see* YOSHIKAWA, T.
NAKANO, Y., HISAEDA, H., SAKAI, T., ZHANG, M., MAEKAWA, Y., ZHANG, T., NISHITANI, M., ISHIKAWA, H. & HIMENO, K. Granule-dependent killing of *Toxiplasma gondii* by $CD8^+$ T cells, 289
NAOE, T. *see* HIROSE, Y.
NECKER, A. *see* HÖHN, H.
NEGISHI-KIHARA, F. *see* OIKAWA, T.
NEILSEN, C.H., MARQUAT, H.V., PRODINGER, W.M. & LESLIE, R.G.Q. CR2-mediated activation of the complement alternative pathway results in formation of membrane attack complexes on human B lymphocytes, 418
NEUHAUS, V. *see* CARRASCO, C.P.
NEUKIRCH, C. *see* HÖHN, H.
NILGES, K. *see* HÖHN, H.
NISHITANI, M. *see* NAKANO, Y.
NOMOTO, K. *see* HARADA, M.
NORVAL, M. *see* ZAK-PRELICK, M.

OHTA, R. *see* LIN, F.
OHTA, R. *see* MIWA, T.
OIKAWA, T., YAMADA, T., KONDOH, N., NEGISHI-KIHARA, F., HITOMI, Y., SUZUKI, M. & TERAMOTO, S. Extinction of expression of the genes encoding haematopoietic cell-restricted transcription factors in T-lymphoma × fibroblast cell hybrids, 162
OKADA, N. *see* BARDENSTEIN, D.S.
OKADA, N. *see* LIN, F.
OKADA, N. *see* MIWA, T.
OKAMOTO, Y. *see* RUAN, Y.
ONOÉ , K. *see* WATANO, K.
ONOÉ , K. *see* YANAGAWA, Y.

PANG, G. *see* ELAHI, S.
PAPPIN, D.J.C. *see* RAGNO, S.
PARKOS, C.A. *see* QUINN, M.T.
PAUNIER, A.-M. *see* FELLAY, B.
PAUZA, D. *see* EVANS, P.S.
PAZOS, P. *see* VERMEULEN, M.
PEACOCK, J.W. & BOST, K.L. Murine gammaherpesvirus-68-induced interleukin-10 increases viral burden, but limits viral-induced splenomegaly and leukocytosis, 109
PEAKMAN, M. & DAYAN, C.M. Antigen-specific immunotherapy for autoimmune disease: fighting fire with fire?, 361
PLOETZ, S. *see* SEITZER, U.
PONTE-SUCRE, A., HEISE, D. & MOLL, H. *Leishmania major* lipophosphoglycan modulates the phenotype and inhibits migration of murine Langerhans cells, 462
PRODINGER, W.M. *see* NEILSEN, C.H.
PTAK, W. *see* GEBA, G.P.

QUARANTA, M.G. *see* VIORA, M.
QUINN, M.T., SWAIN, S.D., PARKOS, C.A., JUTILA, K.L., SIEMSEN, D.W., KURK, S.L., JESAITIS, A.J. & JUTILA, M.A. A carbohydrate neoepitope that is up-regulated on human mononuclear leucocytes by neuraminidase treatment or by cellular activation, 185

RAGNO, S., ROMANO, M., HOWELL, S., PAPPIN, D.J.C., JENNER, P.J. & COLSTON, M. J. Changes in gene expression in macrophages infected with *Mycobacterium tuberculosis*: a combined transcriptomic and proteomic approach, 99
REICHNER, J.S., FITZPATRICK, P.A., WAKSHULL, E. & ALBINA, J.E. Receptor-mediated phagocytosis of rat macrophages is regulated differentially for opsonized particles and non-opsonized particles containing β-glucan, 198
REY NORES, J.E. *see* HARRIS, C.L.
RHODES, J. *see* HALL, S.R.
RIGDEN, R.C. *see* CARRASCO, C.P.
ROMANO, M. *see* RAGNO, S.
ROSS, A.C. *see* DECICCO, K.L.
ROTH, S. *see* FELLAY, B.
RUAN, Y., OKAMOTO, Y., MATSUZAKI, Z., ENDO, S., MATSUOKA, T., KOHNO, T., CHAZONO, H., EIKO, I., TSUBOTA, K. & SAITO, I. Suppressive effect of locally produced interleukin-10 on respiratory syncytial virus infection, 355
RUCKWARDT, T.J. *see* EVANS, P.S.

SAITO, H. *see* HIROSE, Y.
SAITO, H., HOWIE, K., WATTIE, J., DENBURG, A., ELLIS, R., INMAN, M.D. & DENBURG, J.A. Allergen-induced murine upper airway inflammation: local and systemic changes in murine experimental allergic rhinitis, 226
SAITO, I. *see* RUAN, Y.
SAKAI, T. *see* NAKANO, Y.
SARTOR, R.B. *see* SCHULTZ, M.
SCARFF, K.L., JUDD, L.M., WILSON, W.E., LAURIE, K.L., TOH, B.-H., GLEESON, P.A. & VAN DRIEL, I.R. Requirements for autoimmune responses to mouse gastric autoantigens, 392
SCHAFFNER, R. *see* CARRASCO, C.P.
SCHULTZ, M., CLARKE, S.H., ARNOLD, L.W., SARTOR, R.B. & TONKONOGY, S.L. Disrupted B-lymphocyte development and survival in interleukin-2-deficient mice, 127
SEITZER, U., KAYSER, K., HÖHN, H., ENTZIAN, P., WACKER, H.-H., PLOETZ, S., FLAD, H.-D., GERDES, J. & MAEURER, M.J. Reduced T-cell receptor CD3ξ-chain protein and sustained CD3ε expression at the site of mycobacterial infection, 269
SHEVACH, E.M. *see* DING, L.
SHIMAMURA, K. *see* KAMEYAMA, H.
SHOKRGOZAR, M.A. & SHOKRI, F. Enumeration of hepatitis B surface antigen-specific B lymphocytes in responder and non-responder normal individuals vaccinated with recombinant hepatitis B surface antigen, 75
SHOKRI, F. *see* SHOKRGOZAR, M.A.
SIEMSEN, D.W. *see* QUINN, M.T.
SIGOLA, L.B. *see* ZINYAMA, R.B.
SLECKMAN, B.P., CARABANA, J., ZHONG, X. & KRANGEL, M.S. Assessing a role for enhancer-blocking activity in gene regulation within the murine T-cell receptor α/δ locus, 11
SMEDEGÅRD, B. *see* LEAL, I.S.
SMITH, C. & CERUNDOLO, V. Immunotherapy of melanoma, 1
SO, T., ITO, H.-O., HIRATA, M., UEDA, T. & IMOTO, T. Contribution of conformational stability of hen lysozyme to induction of type 2 T-helper immune responses, 259
SONG, W.-C. *see* MIWA, T.
SONNEBORN, A. *see* GRUBER, A.
SPENCE, P.M., SRIRAM, V., VAN KAER, L., HOBBS, J.A. & BRUTKIEWICZ, R.R. Generation of cellular immunity to lymphocytic choriomeningitis virus is independent of CD1d1 expression, 168
SPETH, C. *see* GRUBER, A.
SPICER, A. *see* LIN, F.
SRIRAM, V. *see* SPENCE, P.M.
STOIBER, H. *see* GRUBER, A.
STRAFACE, E. *see* VIORA, M.
STRAUBE, F. & HERRMANN, T. Differential modulation of cd8β by rat γδ and αβ T cells after activation, 252
SUMMERFIELD, A. *see* CARRASCO, C.P.
SUN, X. *see* MIWA, T.
SUZUKI, M. *see* OIKAWA, T.
SWAIN, S.D. *see* QUINN, M.T.

TAKAMATSU, H. *see* CARRASCO, C.P.
TATSUGAMI, K. *see* HARADA, M.
TERAMOTO, S. *see* OIKAWA, T.
THWAITE, L. *see* GRAFTON, G.
TOH, B.-H. *see* SCARFF, K.L.
TONKONOGY, S.L. *see* SCHULTZ, M.
TSUBOTA, K. *see* RUAN, Y.
TULLY, G. *see* HÖHN, H.

UEDA, T. *see* SO, T.

VAN DEN BERG, L., MYHR, K.-M., KLUGE, B. & VEDELER, C.A. Fcγ receptor polymorphisms in populations in Ethiopia and Norway, 87
VAN DRIEL, I.R. *see* SCARFF, K.L.
VAN KAER, L. *see* SPENCE, P.M.
VARI, R. *see* VIORA, M.
VEDELER, C.A. *see* VAN DEN BERG, L.
VERMEULEN, M., PAZOS, P., LANARI, C., MOLINOLO, A., GAMBERALE, R., GEFFNER, J.R. & GIORDANO, M. Medroxyprogesterone acetate enhances *in vivo* and *in vitro* antibody production, 80
VIGAR, M.A. *see* HARRIS, C.L.
VIORA, M., QUARANTA, M.G., STRAFACE, E., VARI, R., MASELLA, R. & MALORNI, W. Redox imbalance and immune functions: opposite effects of oxidized low-density lipoproteins and N-acetylcysteine, 431

WACKER, H.-H. *see* SEITZER, U.
WAKSHULL, E. *see* REICHNER, J.S.
WALKER, C. *see* ZAK-PRELICK, M.
WALKER, J. *see* GHOSH, S.
WATANO, K., IWABUCHI, K., FUJII, S., ISHIMORI, N.,

MITSUHASHI, S., ATO, M., KITABATAKE, A. & ONOÉ, K. Allograft inflammatory factor-1 augments production of interleukin-6, -10 and -12 by a mouse macrophage line, 307
WATTIE, J. *see* SAITO, H.
WILSON, W.E. *see* SCARFF, K.L.
WÜRZNER, R. *see* GRUBER, A.

XU, Y. & KAPP, J.A. γδ T cells are critical for the induction of anterior chamber-associated immune deviation, 142

YAMADA, H. *see* HARADA, M.
YAMADA, T. *see* OIKAWA, T.
YANAGAWA, Y., IWABUCHI, K. & ONOÉ, K. Enhancement of stromal cell-derived factor-1α-induced chemotaxis for CD4/8 double-positive thymocytes by fibronectin and laminin in mice, 43
YATES, C.M. *see* ZAK-PRELICK, M.
YIN, C. *see* EVANS, P.S.
YOSHIKAWA, T., IMADA, T., NAKAKUBO, H., NAKAMURA, N. & NAITO, K. Rat mast cell protease-I enhances immunoglobulin E production by mouse B cells stimulated with interleukin-4, 333
YOUNGDAHL, J.D. *see* DECICCO, K.L.

ZAK-PRELICK, M., HALLIDAY, K.E., WALKER, C., YATES, C.M., NORVAL, M. & MCKENZIE, R.C. Infection of murine keratinocytes with herpes simplex virus type 1 induces the expression of interleukin-10, but not interleukin-1α or tumour necrosis factor-α, 468
ZHANG, M. *see* NAKANO, Y.
ZHANG, T. *see* NAKANO, Y.
ZHANG, Y. *see* KIDA, Y.
ZHONG, X. *see* SLECKMAN, B.P.
ZINYAMA, R.B., BANCROFT, G.J. & SIGOLA, L.B. Adrenaline suppression of the macrophage nitric oxide response to lipopolysaccharide is associated with differential regulation of tumour necrosis factor-α and interleukin-10, 439

Subject Index

A. laidlawii:
  induces AP-1, 324
Adjuvants: *M. tuberculosis* infection, 157
Allergy, 377
Allograft inflammatory factor-1 (AIF-1):
  augments IL-6, IL-10, IL-12 production, 307
  effect on macrophage cytokine production, 307
  murine, 307
Antibody production:
  effect of progesterone, 80
Antibody production:
  role of IL-1β, 402
  T-cell-dependent, 402
Antigen-specific therapy, 377
Antioxidants:
  immunomodulation, 431
AP-1:
  A. laidlawii infection, 324
  human, 324
  transcription, 324
Autoantigens:
  gastric, 392
  H^+/K^+ ATPase, 392
  murine, 392
Autoimmunity:
  altered peptide ligand, 367
  EAE, 367
  immunotherapy, 367

B-cell development:
  B-1 cells, 127
  IL-2-deficient mice, 127
B-cell precursors:
  cord blood, 410

C. albicans infection:
  NO controls colonization, 431
  NO production, 431
Calcium channels:
  lymphocytes, 119
  receptor, 119
  store-operated, 119
Cancer:
  immunotherapy, 1
Canine distemper virus:
  synthetic peptides, 58
  T-cell epitopes, 58
Carbohydrate:
  epitope, 185
  expression on leukocytes, 185
CD1 expression:
  in LCMV infection, 168
CD14:
  human, 317
  soluble, 317
  spermatozoa expression, 317
CD154/CD40L:
  induction by cytokines, 299
CD3 expression:
  granuloma, 269
  M. leprae infection, 269
$CD34^+$ cells:
  differentiation into B cells, 410
  human, 410
CD4 T cell:
  calcium signalling, 50
CD4/CD8 double-positive thymocytes:
  fibronectin enhances chemotaxis for, 43
  SDF-1α chemotaxis, 43
CD59:
  eye, 423
  rat, 423
$CD8^+$ T cells:
  extrathymic development, 67
  low avidity, 67
  tyrosine-related-protein-2-recognizing, 67
CD95:
  activated E2F-1, 37
  signalling, 37
  thymocytes, 37
Complement regulators:
  512 antigen, 423
  blockage of CD59, 423
  iritis, 423
Complement:
  CR2, 418
  membrane attack complex, 418
CR2:
  B cells, 418
  mediates membrane attack, 418
Cyclosporin A:
  role in DTH, 235
  topical administration, 235
Cytokine receptor γ chain:
  induction of CD154/CD40L, 299
Cytokines:
  adjuvants, 157
  M. tuberculosis, 157

DAF:
  gene expression, 207
  lymphocyte expression, 207
  murine, 207
Decay-accelerating factor (DAF):
  gene products, 215
  knock-out mice, 215
  tissue distribution, 215
Dendritic cells:
  CD14 expression, 175
  CD16 expression, 175
  porcine, 175
  relationship between porcine and human, 175

Experimental allergic rhinitis:
  airway inflammation, 226
  hemopoietic progenitors, 226

Fcγ receptor:
  genotype and allele frequencies, 87
  human, 87
  polymorphism, 87

γδ T cells:
  modulation of CD8β, 252
    rat, 252
    response to alkylphosphates, 19
    role in ACAID, 142
    TCR recognition, 19
Granulysin gene expression:
  human, 324 via AP-1, 324

HB_5 antigen B-cell response, 75
Hepatitis B antigen:
  B-cell response, 75

Hepatitis B vaccine:
B-cell response, 75
Herpes virus:
induced IL-10, 109
murine, 109
viral burden, 109
Hiv-1 Tat:
binds human integrin receptors, 455
HIV-1:
human integrin receptors, 455
transactivating protein Tat, 455
HSV-1:
induces IL-10, 468
keratinocyte cytokine production, 468
murine, 468

IFN-γ production:
M. tuberculosis infection, 157
IgE hypersensitivity:
cyclosporin A, 235
tacrolimus, 235
IgE production:
chymase, 333
enhanced by rat mast cell protease-1, 333
IL-1:
required for T-cell-dependent antibody products, 402
IL-10:
in HSV-1 infection, 468
production by keratinocytes, 468
respiratory tract, 355
role in Fas-mediated cytotoxicity, 355
RSV infection, 355
IL-12 production:
murine, 349
T. cruzi infection, 349
Immunotherapy:
altered peptide ligand, 367
autoantigen administration, 361
autoimmune disease, 361
autoimmunity, 367
diabetes, 361
melanoma, 1
peptide-based, 367
tumour antigens, 1
Inflammation:
carbohydrate epitope, 185
Integrins:
HIV-binding, 455
human, 455

L. major:
impairs LC migration, 462
Langerhans cells:
exposure to *L. major*, 462
maturation in *L. major* infection, 462
VE-cadherin expression during *L. major* infection, 462
Letinophagocytosis, 198
Low-density lipoproteins:
effect on redox imbalance, 431
Lymphocytic choriomeningitis virus (LCMV):
dissociation with CD1d1 expression, 168
generation of NK and CTL activity, 168
Lysozyme:
hen, 259
stability, 259

Macrophages, 198
Mast cell protease-1:
enhances IgE production, 333
rat, 333
Multiple sclerosis:
$CD4^+$ T-cell cytokine products, 383
copolymer-1, 383
Mycobacterium tuberculosis:
HLA-A2 restriction, 278
macrophage gene expression, 99
proteonomics, 99
Tc2 $CD8^+$ T cells, 278
Mycobacterium tuberculosis infection:
adjuvants, 157
cytokine adjuvants, 157
IFN-γ production, 157

Nitric oxide:
enhances resistance to oral candidiasis, 447
in *Candida albicans* infection, 447
relationship with IL-4 production in *C. albicans* infection, 447
NKT cells:
$CD4^+$, 135
liver, 135
migration from thymus, 135

Ocular tolerance:
γδ T cells, 142

Phagocytosis, 198
Porcine immunology:
dendritic cells, 175
Proteonomics:
Mycobacterium-infected macrophages, 99

Redox imbalance:
effect on immune function, 431
RSV infection:
IL-10 transgenic mice, 355
role of IL-10, 355

SOCS1:
knock-out mice, 92
liver disease, 92
T-cell regulation, 92
Stromal cell-derived factor-1α (SDF-1α):
CD4/CD8 double-positive thymocytes, 43

T cells, 377
T. gondii:
$CD8^+$ T-cell killing, 289
granule-dependent killing, 289
Tc2:
HLA-A2 restriction, 278
M. tuberculosis-specific, 278
T-cell development:
comment, 8
T-cell receptor:
α/δ locus, 11
gene regulation, 11
TCR:
calcium signalling, 50
CD3 zeta chain, 269
lck promoter, 162
mycobacterial infection, 269
T-lymphoma × fibroblast cell hybrids, 162
Vγ2/Vδ2, 19
γδ repertoire, 19
T-helper responses:
lysozyme, 259
type 2, 259
Therapy, 377
Thymic shared antigen-1 (TSA-1):
inhibition of FcγRIIB function, 28
ligand, 28
Type-1 cytokines:
copolymer-1, 383
ms, 383